

IN THE CLAIMS

Please cancel Claims 1, 5, and 8-21 without prejudice or disclaimer of the subject matter contained therein.

Please amend the claims in accordance with the following rewritten claims in clean form. Applicant includes herewith an Attachment for Claim Amendments showing a marked up version of each amended claim.

2. (Amended) An optical device comprising:

a substrate including a through hole;

an optical element mounted on the substrate and having an optical section placed to face the through hole; and

a light transmissive member disposed at the through hole;

wherein light transmissive under-fill material is provided between the substrate and the optical element and between the light transmissive member and the optical element.

3. (Amended) An optical device comprising:

a substrate including a through hole;

an optical element mounted on the substrate and having an optical section placed to face the through hole; and

a light transmissive member disposed at the through hole;

wherein a spacer is interposed between the optical element and the light transmissive member.

A'
cont'd

4. (Amended) An optical device according to claim 2, wherein the light transmissive member is in a lens shape.

Fig. 3

6. (Amended) An optical device comprising:
a substrate including a through hole;
an optical element mounted on the substrate and having an optical section placed to face the through hole; and
a lens provided on the substrate and covering the through hole,
wherein light transmissive under-fill material is provided between the substrate and the optical element and between the lens and the optical element.

A²

Fig. 4

7. (Amended) An optical device comprising:
a substrate including a through hole;
an optical element mounted on the substrate and having an optical section placed to face the through hole; and
a lens provided on the substrate and covering the through hole,
wherein a spacer is interposed between the substrate and the lens.

Please add the following new claims:

22. (New) An optical device according to claim 3, wherein the light transmissive member is in a lens shape.

A³

23. (New) An optical device comprising:

a substrate including a through hole;

an optical element mounted to the substrate and having an optical section facing the through hole; and

a lens shaped light transmissive member mounted in the through hole.

24. (New) An optical device comprising:

a flexible substrate including a through hole;

an optical element mounted on the substrate and having an optical section placed to face the through hole; and

a light transmissive member disposed at the through hole;

wherein the flexible substrate is bent, an electronic element other than the optical element is mounted on the flexible substrate, and a surface of the optical element is adhered to a surface of the electronic element.

REMARKS

Claims 2-4, 6-7, and 22-24 pending in the application. The Examiner is respectfully requested to reconsider and withdraw the rejections in view of the amendments and remarks contained herein.

REJECTION UNDER 35 U.S.C. § 102

Claims 1, 8, and 9 stand rejected under 35 U.S.C. § 102(b) as being anticipated by Klein (U.S. Pat. No. 3,283,207). Claims 1, 4 and 5 stand rejected under